

Earth Materials

1-4 The student will demonstrate an understanding of the properties of Earth materials. (Earth Science)

1.4.4 Recognize the observable properties of water (including the fact that it takes the shape of its container, flows downhill, and feels wet).

Taxonomy level: 1.1-A Remember Factual Knowledge

Previous/Future knowledge: This is a foundational concept that students will develop further in future grades. In 2nd grade (2-4), students will study ways that matter can change shape (for example from a solid to a liquid). In 3rd grade (3-4.1), students will classify different forms of matter, one of these being a liquid. This concept of the observable properties of water will also provide foundation for the study of Earth processes in future earth science topics.

It is essential for students to know that water as an Earth material has observable properties. These properties include:

- Water is a liquid that takes the shape of its container. For example, water on Earth may be found in containers known as lakes, ponds, or oceans.
- Water will flow downhill. Water flows in streams and rivers toward the ocean.
- Water feels wet. Water is needed by all living things.

It is not essential for students to observe water changing from a solid to a liquid.

Assessment Guidelines:

The objective of this indicator is to *recognize* the observable properties of water; therefore, the primary focus of assessment should be to remember that water takes the shape of its container, flows downhill, and feels wet. However, appropriate assessments should also require students to *recall* from a picture or drawing examples of water and its observable properties.